

JUL 05 2007

Application No.: 10/763,484

Art Unit: 2109

Docket No.: MWS-107

AMENDMENTS TO THE SPECIFICATION

On page 2, please replace the paragraph starting at line 1 with the following paragraph:

Many copy protection techniques and devices have been proposed in the art to limit the unauthorized copying of optical media. Currently, two general types of copy protection are used to protect against illegal copying of optical media, such as CD-ROMs[[S]] (CD-read-only memory). The first type of copy protection includes software based, active methods of copy protection, which use 'bad' data written in a subchannel on the optical media to inhibit copying. Safedisc® is an example of a commercially available software program for CD authentication available from Macrovision Corporation of Santa Clara, California. The software does not work if it cannot find the expected bad data on the optical media, which indicates that the optical media is an original version. The 'bad' data is hard to copy, as only a few programs are capable of copying it, notably ~~CloneCD~~ CLONECD and ~~BlindWrite~~ BLINDWRITE suite, which are available for download but not in stores.

On page 2, please replace the paragraph starting at line 25 with the following paragraph:

The prior methods of copy protection have several drawbacks. For example, the software based methods are available only on windows, as they are built on top of the Advanced SCSI (Small Computer Systems Interface) Programming Interface (ASPI) layer which provides a single interface into the many types of underlying optical media drives. UNIX/Linux does not have an ASPI layer equivalent. Therefore, copy protection software written for UNIX/Linux platforms requires separate functions for each and every optical media drive manufacturer and even model, making the copy protection software much harder to write and maintain. In addition, the software-based copy protection methods can be defeated by 'unwrapping' the executable so that it no longer checks for the bad sectors, as is the case for Safedisc, or by editing the binary executable, which is a non-trivial task. Once this is done, the program can be copied normally and the bad data is no longer needed. These methods can also be defeated simply by copying the CD-ROM onto a CD-R or CD-RW disc using software such as ~~BlindWrite~~ BLINDWRITE suite or ~~CloneCD~~ CLONECD.